



## SEQUENCE LISTING

&lt;110&gt; Moore, Jeffrey G.

&lt;120&gt; Compositions and Methods for Protecting Tissues and Cells from Damage, and For Repairing Damaged Tissues

&lt;130&gt; 108236.130

&lt;140&gt; 10/083,936

&lt;141&gt; 2002-02-27

&lt;150&gt; US 60/271,666; US 60/302,716

&lt;151&gt; 2001-02-27; 2001-07-03

&lt;160&gt; 10

&lt;170&gt; PatentIn Ver. 2.1

&lt;210&gt; 1

&lt;211&gt; 939

&lt;212&gt; DNA

&lt;213&gt; Dolichos lablab

&lt;400&gt; 1

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aaccctgtga gttctagtgc gggaagagtg ttatatcttg caccattgcg cctttgggaa 180
gactctgcgg tattgacaag ctttgacacc attatcaact ttgaaatctc aacaccttac 240
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&lt;210&gt; 2

&lt;211&gt; 264

&lt;212&gt; PRT

&lt;213&gt; Dolichos lablab

&lt;400&gt; 2

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Asp Leu Ile Phe Gln Gly His Ala Thr Ser Thr Asn Asn Val Leu Gln
      20                      25                      30
```

```
Val Thr Lys Leu Asp Ser Ala Gly Asn Pro Val Ser Ser Ser Ala Gly
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```

```
Arg Val Leu Tyr Ser Ala Pro Leu Arg Leu Trp Glu Asp Ser Ala Val
      50                      55                      60
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 Thr Ser Arg Ile Ala Asp Gly Leu Ala Phe Phe Ile Ala Pro Pro Asp  
 85 90 95  
 Ser Val Ile Ser Tyr His Gly Gly Phe Leu Gly Leu Phe Pro Asn Ala  
 100 105 110  
 Asn Thr Leu Asn Asn Ser Ser Thr Ser Glu Asn Gln Thr Thr Thr Lys  
 115 120 125  
 Ala Ala Ser Ser Asn Val Val Ala Val Glu Phe Asp Thr Tyr Leu Asn  
 130 135 140  
 Pro Asp Tyr Gly Asp Pro Asn Tyr Ile His Ile Gly Ile Asp Val Asn  
 145 150 155 160  
 Ser Ile Arg Ser Lys Val Thr Ala Lys Trp Asp Trp Gln Asn Gly Lys  
 165 170 175  
 Ile Ala Thr Ala His Ile Ser Tyr Asn Ser Val Ser Lys Arg Leu Ser  
 180 185 190  
 Val Thr Ser Tyr Tyr Ala Gly Ser Lys Pro Ala Thr Leu Ser Tyr Asp  
 195 200 205  
 Ile Glu Leu His Thr Val Leu Pro Glu Trp Val Arg Val Gly Leu Ser  
 210 215 220  
 Ala Ser Thr Gly Gln Asp Lys Glu Arg Asn Thr Val His Ser Trp Ser  
 225 230 235 240  
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 245 250 255  
 Lys Tyr Ile Thr Arg Gly Val Leu  
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 <213> Dolichos lablab

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 atcttccaag gtcattgccac ttctacaaac aatgtcttac aagtcaccaa gttagacagt 180  
 gcaggaaacc ctgtgagttc tagtgcgga agagtgttat attctgcacc attgcgctt 240  
 tgggaagact ctgcggtatt gacaagcttt gacaccatta tcaactttga aatctcaaca 300  
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 atcagttatc atgggtggtt tcttggaactc tttcccaacg caaacactct caacaactct 420  
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gtaatgtgcg atgagtcfaat aatcacaagt acagtgtagt acttgtatgt tgtttgtgta 960  
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 <213> Dolichos lablab

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 <212> DNA  
 <213> Phaseolus vulgaris

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 caaggtgatg ccacttctac aaacaatgtc ttacaactca ctaagttaga cagtggagga 120  
 aaccctgtgg gtgctagtgt ggggaagagt ttattctctg caccatttca tctttgggaa 180  
 aactctatgg cagtgtcaag ctttgaaact aatctcacca ttcaaactc aacacctcac 240  
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 ccaaattctt ggggcaaatt ccttggaact tactcaaacg ttttcagaaa ctccccacc 360  
 tctgaaaaacc aaagcttttg tgatgtcaat actgactcaa gagttgttgc tgatcgaattt 420  
 gacaccttcc ctaatgccaa tattgatcca aattacagac acattggaat cgatgtgaac 480  
 tctattaagt ccaaggaaac tgctaggtgg gagtggcaaa atgggaaaac ggccactgca 540  
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 gtagggttat ctgcttcaac tggagaggag aaacaaaaaa ataccattat ctcatggtct 720  
 ttcacttcaa gcttgaagaa caacgaggtg aaggagccga aagaagacat gtatattgca 780  
 aacgttgtgc gatcatatac atggatcaat gacgttctat cttatataag caataaataa 840  
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 <211> 304  
 <212> PRT  
 <213> Phaseolus vulgaris

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 20 25 30  
 Leu Thr Lys Leu Asp Ser Gly Gly Asn Pro Val Gly Ala Ser Val Gly  
 35 40 45  
 Arg Val Leu Phe Ser Ala Pro Phe His Leu Trp Glu Asn Ser Met Ala  
 50 55 60  
 Val Ser Ser Phe Glu Thr Asn Leu Thr Ile Gln Ile Ser Thr Pro His  
 65 70 75 80

Pro Tyr Tyr Ala Ala Asp Gly Phe Ala Phe Phe Leu Ala Pro His Asp  
                                     85                                    90                                    95  
 Thr Val Ile Pro Pro Asn Ser Trp Gly Lys Phe Leu Gly Leu Tyr Ser  
                                     100                                    105                                    110  
 Asn Val Phe Arg Asn Ser Pro Thr Ser Glu Asn Gln Ser Phe Gly Asp  
                                     115                                    120                                    125  
 Val Asn Thr Asp Ser Arg Val Val Ala Val Glu Phe Asp Thr Phe Pro  
                                     130                                    135                                    140  
 Asn Ala Asn Ile Asp Pro Asn Tyr Arg His Ile Gly Ile Asp Val Asn  
                                     145                                    150                                    155                                    160  
 Ser Ile Lys Ser Lys Glu Thr Ala Arg Trp Glu Trp Gln Asn Gly Lys  
                                     165                                    170                                    175  
 Thr Ala Thr Ala Arg Ile Ser Tyr Asn Ser Ala Ser Lys Lys Ser Thr  
                                     180                                    185                                    190  
 Val Thr Thr Phe Tyr Pro Gly Met Glu Val Val Ala Leu Ser His Asp  
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 Val Asp Leu His Ala Glu Leu Pro Glu Trp Val Arg Val Gly Leu Ser  
                                     210                                    215                                    220  
 Ala Ser Thr Gly Glu Glu Lys Gln Lys Asn Thr Ile Ile Ser Trp Ser  
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 Phe Thr Ser Ser Leu Lys Asn Asn Glu Val Lys Glu Pro Lys Glu Asp  
                                     245                                    250                                    255  
 Met Tyr Ile Ala Asn Val Val Arg Ser Tyr Thr Trp Ile Asn Asp Val  
                                     260                                    265                                    270  
 Leu Ser Tyr Ile Ser Asn Lys \* Met Tyr Asp Ala Leu Asn Asn Asn  
                                     275                                    280                                    285  
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<210> 7

<211> 678

<212> DNA

<213> *Sphenostylis stenocarpa*

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 gagaccactt tcacctttca aatctcaaca ccttacacta gtccctctgg tgatgggctc 240  
 gccttcttcc ttgcaccata tgacactgtc atccctccaa attctgctgg caatcttctt 300  
 ggactctttc ctaacttaaa tgctttaaga aactccacca ccagtaaaga aaccactatt 360  
 gatgtcaatg ctgcatctaa caacgttgtt gccgttgaat ttgacacctt ccctaacgac 420  
 aatattggtg atccaagata caaacacatt ggaatcgatg tcaactctat caggtccaag 480  
 gcaactgttg cgtgggactg gcaaaatggg aaaacagcca ctgcacacat cagctataac 540  
 tctgcctcta aaagactatc tgttactact ttttatcctg ggggtaaagc tgtgagtcct 600  
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<212> PRT  
<213> *Sphenostylis stenocarpa*

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20 25 30  
Leu Thr Lys Leu Asp Ser Asn Gly Asn Pro Val Ser Thr Ser Val Gly  
35 40 45  
Arg Val Leu Tyr Ser Ala Pro Leu Arg Leu Trp Glu Ser Ser Thr Val  
50 55 60  
Val Ser Thr Phe Glu Thr Thr Phe Thr Phe Gln Ile Ser Thr Pro Tyr  
65 70 75 80  
Thr Ser Pro Pro Gly Asp Gly Leu Ala Phe Phe Leu Ala Pro Tyr Asp  
85 90 95  
Thr Val Ile Pro Pro Asn Ser Ala Gly Asn Leu Leu Gly Leu Phe Pro  
100 105 110  
Asn Leu Asn Ala Leu Arg Asn Ser Thr Thr Ser Lys Glu Thr Thr Ile  
115 120 125  
Asp Val Asn Ala Ala Ser Asn Asn Val Val Ala Val Glu Phe Asp Thr  
130 135 140  
Tyr Pro Asn Asp Asn Ile Gly Asp Pro Arg Tyr Lys His Ile Gly Ile  
145 150 155 160  
Asp Val Asn Ser Ile Arg Ser Lys Ala Thr Val Ala Trp Asp Trp Gln  
165 170 175  
Asn Gly Lys Thr Ala Thr Ala His Ile Ser Tyr Asn Ser Ala Ser Lys  
180 185 190  
Arg Leu Ser Val Thr Thr Phe Tyr Pro Gly Gly Lys Ala Val Ser Leu  
195 200 205  
Ser His Asp Val Glu Leu Thr Gln Val Leu Pro Gln Trp Ile Arg Val  
210 215 220  
Gly Phe Ser Ala Ser Thr Gly Leu Glu Lys  
225 230

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<211> 15  
<212> PRT  
<213> *Sphenostylis stenocarpa*

<400> 9

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<210> 10

<211> 16

<212> PRT

<213> Sphenostylis stenocarpa

<400> 10

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